

**EQESSC-pro**  
**Electronical Quality Enhancements for**  
**Steel Production and Supply Chains**  
**SoftwareWerkstatt GmbH**

SPEAKER's Corner:  
ICT Call 5 and the potential of an enlarged Europe

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# Project-Idea



- **WHAT: The project deals about ...**  
Developing a WEB-ERP solution for logistics and processes of the steel fabricating industry to optimize processes and increase their quality
- **Objective:** Smart Factories - ICT for agile and environmentally friendly manufacturing
- **WHY: Project idea and background**  
The steel fabricating industry has specific demands in various areas (e.g. storage, production, maintenance, manufacturing processes during the Supply Chain),

- **How: Scientific and technological objectives of your project**

- Develop an algorithm to analyze business processes with data mining technologies to adapt processes and react to changes in time
- Enhance storage performance with new route finding techniques
- Develop an algorithm to shorten warehouse operations
- Optimize production by finding the best fitting raw materials
- Keeping stock allocation as low as possible
- Enable business to produce just-in-time
- Producing with consistent quality assurance
- Reducing machine maintenance times and costs

## Looking for...



- **Competences & Skills wanted**

Specific quality assurance knowledge, mechanical engineers, maintenance know how

- **Types of partners sought**

Mechanical engineers, standardisation organisations like UN/CEFACT, steel industry (production and trader)

- **Work to be performed**

Prototyping, research for measure algorithm, development, system integration

## Skills of the proposer



- **My Organisation and expertise:**

SoftwareWerkstatt is an innovative company with lots of experiences in specific software developments for SCM processes. Our expertise includes beside software development in-depth knowledge of logistic and production business processes.

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